

EIGHTH GRADE SECOND SEMESTER SCIENCE TEST

Name \_\_\_\_\_ Date \_\_\_\_\_

PART I

TRUE OR FALSE -- Mark "T" if true and "F" if false.

- \_\_\_ 1. We have our seasons due to the rotation of the earth upon its axis.
- \_\_\_ 2. The density of all solid matter is the same as that of liquids.
- \_\_\_ 3. Latitude is the distance east or west of the prime meridian.
- \_\_\_ 4. Impervious rock is rock through which water cannot pass.
- \_\_\_ 5. "Organic" means the material was once a part of a living thing.
- \_\_\_ 6. Plants usually grow better in subsoil.
- \_\_\_ 7. All metals are good conductors of heat.
- \_\_\_ 8. An altimeter is an instrument by which we can tell how high we are above sea level.
- \_\_\_ 9. When a solid such as rock or glass is heated it will contract.
- \_\_\_ 10. Water that has been filtered through much sand and soil may be perfectly clear and yet be carrying minerals in solution.
- \_\_\_ 11. A liquid in which some other substance has been dissolved is call a solution.
- \_\_\_ 12. Any object placed in a fluid loses its weight according to the weight of the fluid it displaces.
- \_\_\_ 13. Gravity pulls downward harder on a cubic foot of cool air than it pulls on a cubic foot of warm air.
- \_\_\_ 14. Days and nights are caused by the earth turning on its axis.
- \_\_\_ 15. If you push as hard as you can against a table and do not move it, you have done work according to scientists.
- \_\_\_ 16. The deeper water becomes, the greater the pressure is.
- \_\_\_ 17. Molecules of a substance are always moving.
- \_\_\_ 18. You wear woolen and fur clothes in winter because they are poor conductors of heat.
- \_\_\_ 19. Scientists measure heat in calories.
- \_\_\_ 20. The entire skeleton is built about the backbone as an axis.
- \_\_\_ 21. The digestive system has the special duty of supplying the blood with food to take to all the cells of the body.
- \_\_\_ 22. The main duty of the red-blood cells is to give the blood color.
- \_\_\_ 23. All of the blood in the body goes through the lungs every time it makes a round trip through the body.
- \_\_\_ 24. The eating of a great deal of sugar and candy seems to make one's teeth decay more quickly.
- \_\_\_ 25. All of us should have our bodies examined at least once a year whether we are sick or not.
- \_\_\_ 26. A person who is sick with a contagious disease is a carrier of the disease, but a carrier of a contagious disease does not have to be a sick person.
- \_\_\_ 27. Bacteria and germs reproduce by fission when they get into a person's body.
- \_\_\_ 28. Vigorous physical activity immediately after a heavy meal is good for the digestive system as it helps digest the food better.
- \_\_\_ 29. A doctor is said to be making a diagnosis when he examines a patient and looks for signs or symptoms of a disease.
- \_\_\_ 30. The part of the body which gives the body shape and protects the soft tissues and the organs of the body is called the skeletal system.
- \_\_\_ 31. The difficult job of balancing and moving the entire body is done by the muscles which are attached to the bones by ligaments.
- \_\_\_ 32. A sprain occurs when the bones are pulled out of their proper place.
- \_\_\_ 33. A fever is a sign that you have some kind of a disease germ in your body and that your body is fighting to overcome it.
- \_\_\_ 34. The antibodies caused by smallpox vaccination remain in the body of a person for about seven years.
- \_\_\_ 35. If you wait until the disease has fully developed, antitoxin is much less likely to help you.



- \_\_\_ 36. Infectious diseases can only be spread directly from the sick person to the well person.
- \_\_\_ 37. A person cannot be sure he has not caught a disease until the period of incubation is over.
- \_\_\_ 38. Disease germs are not easily spread by insects.
- \_\_\_ 39. The length of time required for incubation varies greatly for different kinds of animals.
- \_\_\_ 40. One plant can produce thousands of spores, each of which will grow into a new plant if conditions are right.

PART II

COMPLETE THE FOLLOWING SENTENCES:

- 1-2. The earth has two kinds of movements. It \_\_\_\_\_ on its axis and \_\_\_\_\_ around the sun.
3. The earth travels around the sun and makes one complete revolution in approximately \_\_\_\_\_ days.
- 4,5,6,7. We have four time belts in the United States and from west to east we have \_\_\_\_\_ standard time; \_\_\_\_\_ standard time; \_\_\_\_\_ standard time; and \_\_\_\_\_ standard time.
8. Jackson County is in the \_\_\_\_\_ standard time zone.
9. Scientists who make a study of rocks and the earth's surface are called \_\_\_\_\_.
10. The earth rotates on its axis every \_\_\_\_\_ hours.
11. \_\_\_\_\_ is essential to the work of the body because it carries materials from one part of the body to another.
12. The mysterious force that makes all things fall toward the center of the earth is called \_\_\_\_\_.
13. Water will boil at \_\_\_\_\_ degrees F..
14. The smallest unit of living material of which most living things are made up of is the \_\_\_\_\_.
15. For water to freeze it must be lowered to \_\_\_\_\_ degrees.F..

PART III

MATCHING -- Match the number of the word on the line of the sentence.

- |                   |                      |                   |                    |
|-------------------|----------------------|-------------------|--------------------|
| 1. Hypothesis     | 14. Splints          | 27. Arteries      | 40. Epidemic       |
| 2. Fertilization  | 15. Diameter         | 28. Equator       | 41. Astronomy      |
| 3. Perennials     | 16. Annuals          | 29. Heart         | 42. Humus          |
| 4. Water          | 17. Germination      | 30. Latitude      | 43. Antiseptic     |
| 5. Proteins       | 18. Orbit            | 31. Cohesion      | 44. Carbohydrates  |
| 6. 62.4 lbs.      | 19. Mt. Everest      | 32. Healthy       | 45. Mt. Hood       |
| 7. Friction       | 20. Embryo           | 33. Erosion       | 46. Sterilization  |
| 8. Reproduction   | 21. Circumference    | 34. Veins         | 47. Pasteurization |
| 9. Earth          | 22. 93,000,000 miles | 35. Saturated     | 48. Fats           |
| 10. Fossils       | 23. Botanists        | 36. Biennials     | 49. 25,000 miles   |
| 11. Cell-division | 24. Bacteriologists  | 37. Vertebrae     | 50. 8,000 miles    |
| 12. Protoplasm    | 25. Land             | 38. 240,000 miles |                    |
| 13. Adhesion      | 26. Longitude        | 39. Humidity      |                    |

1. \_\_\_ Planet on which we live.
2. \_\_\_ Greatest distance around the earth.
3. \_\_\_ The distance through the earth from side to side.
4. \_\_\_ The path which the earth follows in revolving around the sun.
5. \_\_\_ An imaginary line extending east and west around the center of the earth's surface.
6. \_\_\_ Distance measured north or south of the equator.
7. \_\_\_ Distance measured east and west from the prime meridian.
8. \_\_\_ Covers three-fourths of the surface of the earth.
9. \_\_\_ The wearing away of the surface of the earth.
10. \_\_\_ Distance of sun from the earth.
11. \_\_\_ The study by scientists of the stars and other heavenly bodies.
12. \_\_\_ The best solution for a problem at any given time.
13. \_\_\_ Another name for decayed plants or animals.
14. \_\_\_ The highest mountain in the world.
15. \_\_\_ The remains of plants and animals that are often found in sedimentary rock.
16. \_\_\_ Plants which complete their growing season in 2 years.
17. \_\_\_ )
18. \_\_\_ ) -- Three important classes of food materials.
19. \_\_\_ )
20. \_\_\_ When a disease spreads rapidly and many people get sick at the same time it is called an ?



21. ☐ Means of killing germs by heating, chiefly milk, to a temperature of 144° F. and keeping it there for about 30 minutes.
22. ☐ A chemical that prevents the growth of germs and should be used on all cuts or wounds.
23. ☐ Means of killing germs by heating objects in boiling water or live steam or with chemicals.
24. ☐ The best way to keep ourselves from having diseases is to keep our bodies ?
25. ☐ Weight of water per cubic foot.
26. ☐ The amount of moisture in the air is called ?
27. ☐ When air becomes completely full of water vapor, evaporation stops and the air is said to be ?
28. ☐ The force that holds like molecules together is called ?
29. ☐ The force that holds molecules of different kinds together is ?
30. ☐ The resistance to motion that is present when two objects or two materials rub together is called ?
31. ☐ Bones that make up the backbone.
32. ☐ When a bone is broken, the parts should be held rigid by ?
33. ☐ The main organ of the circulatory system is the ?
34. ☐ Carries blood from the heart to all parts of the body.
35. ☐ Tubes that carry blood to the heart from all parts of the body.
36. ☐ Living things would soon disappear from the earth if it wasn't for?
37. ☐ The living material in each cell is called ?
38. ☐ Scientists who study bacteria and try to classify them.
39. ☐ The uniting of the nuclei of the male and female reproductive cell is called ?
40. ☐ The beginning of growth in pollen grain or a seed is called ?
41. ☐ People or scientists who study plants and classify them.
42. ☐ Plants and animals grow as a result of ?
43. ☐ A plant or animal in the earlier stages of its development, or before birth or germination is called an ?
44. ☐ Plants that complete their life cycle in one year are called ?
45. ☐ Plants which live indefinitely are called ?